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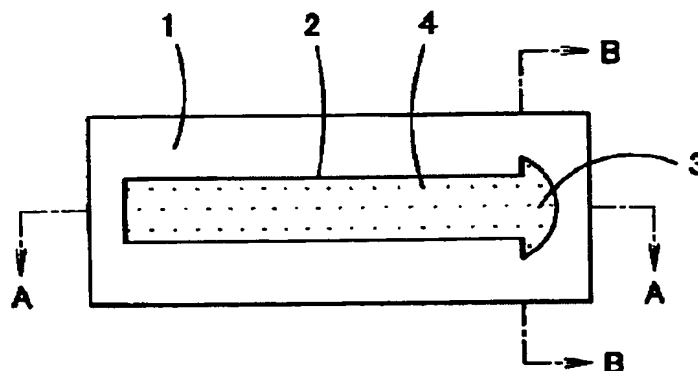
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APPLICANT : OMRON CORP;

INVENTOR : HOSOKAWA HAYAMI;

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TITLE : OPTICAL WAVEGUIDE DEVICE AND  
METHOD FOR MANUFACTURING THE  
SAME



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide an optical waveguide device having increased stability of the form of the optical waveguide and the form of a light refracting means (a lens or the like) and improving the optical coupling efficiency by preventing the core material from overflowing from the groove on a substrate when the optical waveguide, particularly a polymer material-based optical waveguide is produced.

**SOLUTION:** The optical waveguide device has the optical waveguide 4 by the molding method by forming the groove 2 on the surface of the substrate 1 and filling the groove with the core material. When the substrate 1 is observed in the direction perpendicular to the substrate 1, the groove 2 is formed with closed periphery and the groove 2 is filled with the core material without leaving a vacancy to form the optical waveguide 4. Therefore, the core material does not overflow from the groove 2 on the substrate 1 while the optical waveguide 4 is manufactured, and this increases the stability of the form of the optical waveguide 4 and improves the optical coupling efficiency.

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